







Sporty design, security guaranteed.

To be truly safe, you need the flexibility, speed, and agility to react to any changes in circumstances. This is the principle that informs the design of all BMW Security models, resulting in an integrated approach to security which has proven its worth over more than 30 years. It includes both active and passive protection, and takes the incorporation of armour plating into account during the development of the basic production model. It also makes use of the latest lightweight materials, innovative technology, extensive high-precision tests and a visual design that at first glance is identical to the standard model.



## The BMW Security X5.

The new BMW Security X5 xDrive48i combines the comfort and dynamic performance you expect from a BMW with the latest in armour plating. The possibility of security modifications was designed into the BMW X5 from the start of its development. To ensure it retains the characteristic agility of a BMW, important changes have been made to its chassis and electronic driver aids, so that, despite its slightly increased weight, the BMW Security X5 offers the same safe, predictable handling as the standard BMW X5.





You can't always see what's coming.  
But you can always be prepared for it.

As well as featuring most of the equipment found in the standard BMW X5, the BMW Security X5 is also fitted with a number of additional security modifications as standard.

Set-up of electronic driver aids adapted to the changed characteristics of the vehicle.

Braking system adapted to the changed centre of gravity.

Wheel bearings modified to handle increased strains caused by the extra weight when cornering at speed.

Set-up of shock absorbers and auxiliary springs at front and rear has been modified.

Front suspension and rear air springs strengthened.

#### BMW Security X5 security modifications.

The **armoured survival cell** is protected by preshaped parts made from lightweight aramid and polyethylene, and offers room for up to five people – one more than the predecessor model.

The **armoured luggage compartment** ensures baggage and valuables are also protected. The rear seats can be folded down to accommodate bulky items such as sports equipment, a highly practical feature.

The **engine electronics** are in an e-box, protected by **preshaped aramid parts** against bullets and shrapnel to ensure that the vehicle remains mobile at all times.

**22-millimetre security glass** protects against handgun fire and attack with blunt instruments.

**High-strength steel** reinforces panel and material joins for optimum protection.

An **intercom system** allows occupants to talk with people outside the vehicle without opening the doors or windows.

An **attack alarm** causes a siren to sound for 30 seconds, while the headlights also flash on and off. For added security, all doors are locked and windows closed.

The **safety fuel tank (optional)** is capable of withstanding direct hits from gunfire. The outer walls are self-sealing, while the inside of the tank contains anti-explosive materials.

The **chassis** and **electronic driver aids** have been modified to ensure optimum driving dynamics with the extra weight of the armour.

**Runflat tyres** allow the vehicle to continue for up to 150 kilometres following a complete loss of pressure in one or more tyres, at speeds of up to 80 km/h.

The powerful new **V8 engine** produces an output of 261 kilowatts (355 horsepower). Compared with its predecessor, it has a larger capacity, generates more power while using significantly less fuel,\* and responds quicker to the throttle.

The **six-speed automatic transmission with Steptronic** delivers a dynamic driving experience.

The **xDrive all-wheel drive system** offers fully variable front/rear torque distribution, ensuring the most effective use of the engine's power.

\* For more detailed information about fuel consumption, see page 34.



Ballistic testing is to an armoured vehicle as crash testing is to the safety of a normal car. And exhaustive tests, carried out with extreme precision, comprehensively documented and with certified results, are a key part of the BMW approach to security.

**Class VR4 (Vehicle Resistance 4) ballistic protection.**

The VR4 standard applies only to armoured vehicles that have stood up to extensive ballistic testing of the vehicle as a unit, as opposed to just testing the materials in isolation – because this is the only way to ensure the occupants are properly protected. Before the BMW Security X5 xDrive48i can be certified as offering class VR4 ballistic protection, several hundred rounds are fired at it. As a result, you can rest assured that you and your family are safe from attacks with blunt instruments such as baseball bats or sledge hammers, and with handguns of calibres up to .44 Magnum, including common weapons such as the .357 Magnum and the 9-millimetre Luger.



**A certification granted in Germany and recognized around the world.**

The BMW Security X5 has been examined and certified by German government testing authorities in Mellrichstadt for compliance with the internationally recognized European DIN EN 1063 and DIN EN 1522/23-1 standards, in line with the BRV 1999 guidelines for examining and certifying “Bullet-resistant vehicles” relating to passenger cars and other vehicles. The whole vehicle is certified as offering class VR4 ballistic protection.

The crash test for BMW Security Vehicles.





← **Open here:**  
this is how strong the  
security glass in the  
BMW Security X5 is.

← 22 mm →

# The security glass in the BMW Security X5: 22 millimetres of protection.

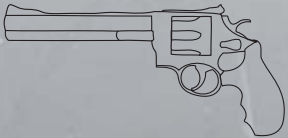
All glazed surfaces are made of a plastic/glass laminate approximately 22 millimetres thick, with a polycarbonate coating on the inside to prevent flying glass splinters threatening you and your family. It offers protection against attacks with blunt instruments and handgun fire from weapons of up to .44 Magnum calibre. Visually, there is nothing to distinguish it from normal glass, in keeping with the BMW commitment to absolute discretion.



H&K P9S pistol,  
9 x 19 calibre.



Colt 6-inch revolver,  
.357 Magnum calibre.



S&W 8-inch revolver,  
.44 Magnum calibre.





Weight of material needed to make a preshaped protective part for the BMW Security X5:

Polyethylene (Dyneema)	1.8 kg
Steel	14.7 kg

Polyethylene. 8 times lighter than steel, 15 times as strong.

BMW uses a combination of high-tech materials that has been carefully chosen to offer the best possible protection while keeping extra weight to a minimum, thereby ensuring that the characteristic BMW driving experience is not compromised. Lightweight, high-strength preshaped aramid parts are fitted to the front wall, footwell, roof and luggage compartment to stop bullets from penetrating. In some places, even-lighter polyethylene parts are used, which do not absorb any moisture. As a result, the new BMW Security X5 weighs just 350 kilograms more than the unarmoured standard model.

What you see is a door.  
It's what you can't see that makes all the difference.

The door represents the best example of the skill of the BMW engineers. No other part of a BMW Security Vehicle has to combine a protective role with so many other functions. It must be light enough to open easily, the security-glass windows must roll up and down, and its edges represent one of the most vulnerable parts of the whole vehicle – because it is here that bullets or flying shrapnel can most easily penetrate the interior. To offer the best possible protection, BMW has developed an overlapping seal, using high-strength steel to reinforce the joins between different materials, and the places where different body panels meet.



The plastic fibres that this bookmark is made from are also used to make key components of the BMW Security X5. And this same lightweight, high-strength material is also found in the bulletproof vests worn by the police. As well as being extremely strong, the fibres are highly heat and fire-resistant. They are woven into preshaped armour parts which are light enough to have only a marginal effect on overall vehicle weight and fuel consumption – and to ensure the characteristic BMW driving experience is unaffected.

Protects with every fibre of its being.





Versatile, secure and with all the room you need.

The security modifications have no obvious effect on the passenger compartment. As a result, it feels every bit as spacious as the standard model, meaning there is room for five people to travel in comfort and safety together with their luggage. The luggage compartment is the largest in the SAV class, and, as in the standard model, it can be expanded by folding down the 60:40 split folding rear seat. The maximum capacity is 1,750 litres, allowing even bulky items such as sports equipment to be transported with ease.



# Functional bookmarks. Programmed for security.

**Only BMW** offers functional bookmarks as standard – a particularly useful feature in Security Vehicles. In the BMW Security X5, these shortcut buttons can be programmed with security-related functions, meaning you can, for example, call for assistance, or bring up the fastest route to a safe location such as home, instantaneously. The controls for security features such as the attack alarm and the intercom system are equally accessible, being positioned in the centre console.

## Attack alarm.

Pressing the alarm button causes a siren to sound for 30 seconds, in time with the vehicle's hazard warning lights. The headlights and fog lights also flash on and off. For added security, all doors are locked and windows closed.

## Intercom system.

An intercom system is fitted as standard, so that passengers can speak to people outside the vehicle without opening the window or door. The microphones are so sensitive that passengers are also able to listen in on what is happening outside, and make an informed decision about whether it is safe to get out.



Functional bookmarks.

Attack alarm and intercom system  
controls under sliding cover.



In a BMW Security X5,  
enjoyment of these bends is  
guaranteed. And so is safety.

The new BMW Security X5 xDrive48i offers a combination of driving enjoyment, comfort, carrying capacity and safety that is unrivalled by any other Sports Activity Vehicle. Its eight-cylinder engine is surprisingly spritely and enormously powerful. The aluminium chassis with its double-wishbone front axle gives precise steering responses and high levels of ride comfort, while Adaptive Drive and Active Steering make the vehicle even more agile. Adaptive Drive combines Dynamic Drive active suspension with Electronic Damper Control (EDC), while Active Steering ensures maximum manoeuvrability at low speeds and smoothness and stability at high speeds. Taken together, the two systems result in an incredibly dynamic, comfortable and safe driving experience. Meaning that in a BMW Security X5, you're free to enjoy every kink in the road to the full.





## Performance that delights, fuel economy that surprises.

**The power to deal with any situation** comes from a high-output, high-torque engine – an engine like the new 4.8-litre V8 in the BMW Security X5. It develops 355 horsepower (261 kilowatts) and propels the vehicle from 0 to 100 km/h in 7.5 seconds. The six-speed automatic transmission with Steptronic makes gear changes incredibly fast and easy, for a truly dynamic driving experience; the output and acceleration of the BMW Security X5 are only a fraction behind those of the standard version. The innovative Valvetronic valve control system offers fully variable intake valve lift, which translates into better fuel economy, particularly in urban driving and on country roads. Fuel consumption over the combined cycle is just 13.1 litres per 100 kilometres – a figure that even non-armoured competitor vehicles in this class struggle to match.

The fact is that despite the increased power output, fuel consumption and emissions are both lower than ever – an example other Sports Activity Vehicles could certainly learn from. The BMW Security X5 is fully compliant with the European EU4 emissions standard. And the new generation of engines ensures power is available to drivers whenever and wherever they need it, allowing them to handle any situation with ease.

Engine		
Layout/no. cylinders	V8	
Capacity	cc	4,799
Max. output	kW (hp)/rpm	261 (355)/6,300
Fuel consumption*		
Urban	l/100 km	18.6
Extra-urban	l/100 km	9.9
Combined	l/100 km	13.1
CO <sub>2</sub> emissions	g/km	312
Range	km	650
Tank capacity	l (approx.)	85

\* Fuel consumption figures measured in accordance with Directive 80/1268/EC.



**Six-speed automatic transmission with Steptronic.**  
The system makes gear changes incredibly fast and easy, for a truly dynamic driving experience.



The torque distribution varies.  
The safety and driving enjoyment remain constant.



Having power is one thing, making intelligent use of it is quite another. And that is exactly what the xDrive all-wheel drive system does in the BMW Security X5, ensuring the maximum possible traction in any road conditions. By measuring data such as steering angle and the speed of the individual wheels, the system is able to recognize when the vehicle is threatening to under or oversteer, and react immediately. An electronic clutch adjusts the division of engine torque between the two axles in a fraction of a second, so as to ensure power always goes to the wheels with most grip. As a result, xDrive combines the traditional strengths of all-wheel drive – namely traction, roadholding and safety – with the characteristic BMW agility. For greater active safety, it is also linked to the Dynamic Stability Control (DSC) sensors, minimizing interventions in braking and engine management for even better driving dynamics.

The BMW Security X5 is fitted as standard with runflat tyres, which even when completely depressurized allow the vehicle to continue for up to 150 kilometres at speeds of up to 80 km/h – a potentially invaluable benefit when trying to escape under fire.

Thanks to these technological innovations, the new BMW Security X5 is able to offer dynamic handling, high levels of responsiveness and optimum traction at all times. The xDrive intelligent all-wheel drive system gives you maximum control of your vehicle, even when driving right on the limit.







Special requirements for special circumstances.

If you have any special requirements for your BMW Security X5, we'll do all we can to accommodate these. For example, the vehicle can be fitted with almost any of the BMW Individual options, a safety fuel tank, shrapnel protection in the vehicle floor, a preparation for two-way radios with a variety of frequencies, a magnetic flashing light for the roof, various signalling system and country-specific sirens, and much more besides.

#### Equipment for official use:

##### Rear signalling device and blue light.

Discreetly integrated into the roof lining, the signalling device folds down to display a fully user-programmable message (e.g. "POLICE STOP") in LED lettering.

##### LED flashing lights.

LED flashing lights can be installed behind the BMW kidney grille and built into the roof liner. These high-visibility lights ensure the vehicle is easily recognisable to traffic ahead, and can be used to alert road users to dangerous situations.

Additional switches can be fitted to the centre console.



If you can't see any difference,  
that's a good thing.

The BMW approach to armour plating has always been to make it as discreet as possible. This is why, on casual acquaintance, you cannot tell the new BMW Security X5 apart from the standard model, in terms of equipment levels, quality of finish or driving experience. The result is the perfect combination of security and driving pleasure.







# It's best to be prepared. BMW Security Driver Training.

The BMW approach to security goes beyond just the vehicle itself. We also offer a variety of Driver Training courses for Security models, which will teach you how to avoid getting into danger in the first place.

**Basic Security Driver Training  
(one day).**

Focuses on the fundamentals of driving dynamics, as well as negotiating everyday traffic safely, with both theoretical and practical elements.

**Advanced Security Driver  
Training (two days).**

Building on what drivers learned from Basic Security Driver Training in non-armoured vehicles, this module deepens participants' theoretical and practical knowledge of driving dynamics and vehicle handling. It also covers more challenging manoeuvres at higher speeds, such as double lane changes and escape turns.

**Intensive Security Driver  
Training (three days).**

This takes what participants learned in the Advanced training module to the next level, once again using a mixture of practice and theory. It also looks at what constitutes security-conscious driving, including ways of recognizing and reacting to potential danger situations. Practical exercises include coordinating tactical turns between multiple vehicles driving in convoy, and reverse slaloming.



Everywhere you and your BMW Security X5 go, our service goes with you.  
Over 3,300 Service Centres in more than 150 countries.

**Committed to your safety, always at your service.**

The BMW Security X5 is not just dynamic to drive and comfortable to ride in, it also gives you the peace of mind of knowing that you and your family are well protected. We believe that this peace of mind should extend to servicing – which is why we have created BMW Service Inclusive. You pay a fixed price, and can then relax, safe in the knowledge that all the services included in your package are covered for a set time period or mileage, irrespective of how many times you require them. What is more, with BMW Service Inclusive you can be confident that all work on your vehicle will be carried out by qualified professionals, working with the latest diagnostic equipment and using only Original BMW parts.

**CBS and BMW Service Inclusive.**

One of the keys to a better service experience is already fitted on your BMW Security X5. Condition Based Service, or CBS for short, is a system that tells you which elements of your vehicle next need servicing and when, via alerts in the info display. You can also check the service status of all components manually, using iDrive.

**The benefits of CBS and BMW Service Inclusive at a glance.**

- Maximum transparency of costs and services required.
- Maximum safety.
- Maximum flexibility.
- Maximum quality of service.

**Service package.**

- Duration of agreement is five years or 100,000 kilometres, whichever comes first.

If this combination is not suitable for you, speak to your BMW dealer.

**BMW Basic Service Inclusive.**

- Change oil and oil filter (spare oil not included).
- Service/replace air filter, fuel filter, micro filter, spark plugs and brake fluid.
- Carry out complete check of vehicle and standard equipment as per service manual.

**BMW Service Inclusive.**

- Change oil and oil filter (spare oil not included).
- Service/replace air filter, fuel filter, micro filter, spark plugs and brake fluid.
- Renew brake pads, front and rear.
- Renew brake discs, front and rear.
- Renew clutch if required.
- Replace windscreen wiper blades at regular service intervals.
- Carry out complete check of vehicle and standard equipment as per service manual.

**BMW Service + Repair Inclusive.**

- Change oil and oil filter (spare oil not included).
- Service/replace air filter, fuel filter, micro filter, spark plugs and brake fluid.
- Renew brake pads, front and rear.
- Renew brake discs, front and rear.
- Renew clutch if required.
- Replace windscreen wiper blades at regular service intervals.
- Carry out complete check of vehicle and standard equipment as per service manual.
- Extension of legal defects liability period for an agreed term.

For full terms and conditions of the various service packages, speak to your BMW dealer.





Facts and figures that you can’t ignore.

The BMW Security X5 genuinely is one of a kind. It is the only SAV on the market available ex-works offering class VR4 ballistic protection, and the only armoured vehicle that has space in its survival cell to accommodate a family of five and their luggage. That in itself is a compelling reason to choose the vehicle – but these figures and specifications offer many more.



**Light-alloy wheels**  
Star-spoke 209  
8.5 J x 18 with 255/55 R 18 RSC tyres



**Light-alloy wheels**  
Star-spoke 210  
8.5 J x 18 with 255/55 R 18 RSC tyres

Technical data and equipment		
Engine		
Layout/no. cylinders		V8
Capacity	cc	4,799
Max. output	kW (hp)/rpm	261 (355)/6,300

Performance		
Top speed	km/h	210 (electronically regulated)
Acceleration 0–100 km/h	sec	7.5

Fuel consumption*		
Urban	l/100 km	18.6
Extra-urban	l/100 km	9.9
Combined	l/100 km	13.1
CO <sub>2</sub> emissions	g/km	312
Range	km	650
Tank capacity	l (approx.)	85

Wheels	
Tyre dimensions	255/55 R 18
Wheel dimensions	8.5 J x 18

Weights		
Unladen weight DIN/EU	kg	2,580/2,655
Max. total weight/load	kg	3,090/510
Luggage capacity	l	620–1,750
Seats		5

\* All engines comply with the EU4 emissions standard. Fuel consumption is determined in accordance with the ECE driving cycle as defined in Directive 80/1268/EEC, made up of one third urban and two thirds extra-urban driving (based on the distance covered). CO<sub>2</sub> emissions are measured separately from fuel consumption. Figures relate to standard-specification vehicles, and may vary significantly where optional equipment (including wider tyres) is fitted.

Security modifications*
<b>Security package</b> including the following: <ul style="list-style-type: none"><li>– Class VR4 ballistic protection for the survival cell, including the luggage compartment</li><li>– External/internal intercom system with attack alarm</li><li>– Electric windows in front, left and right, with one-touch opening, no pinch protection</li></ul>
<b>Active Steering</b> inc. Servotronic
<b>Adaptive Drive</b> inc. Dynamic Drive and Electronic Damper Control (EDC)
<b>Nevada leather</b> Other upholstery options can be fitted to the seats only; door trim is only available in Nevada leather
<b>Electrically adjustable seats with memory function</b>
<b>Automatic driving lights control</b>
<b>Alarm system</b>
<b>Model designation deletion</b>
<b>Roof railing</b>
<b>Spare wheel</b> 5 J x 18 with 155/90 D18 tyre (for speeds of up to 130 km/h) stored under luggage compartment floor, with jack and spanner

Almost all the options available on the standard model are also available on the BMW Security X5. The only exceptions are those that would compromise the effectiveness of the armour plating.

\* The security modifications, and particularly those specific to a certain country, may require that additional options be fitted at extra cost, and/or may not be available in conjunction with certain other options. Standard specifications may vary from those described from country to country and/or for technical reasons. Please check any relevant legal requirements in the country where the vehicle will be used.

For more information about the standard specifications and expert advice on the options and additional security-related modifications available, please speak to a BMW Security specialist at your BMW dealership.

Subject to error and change without notice.